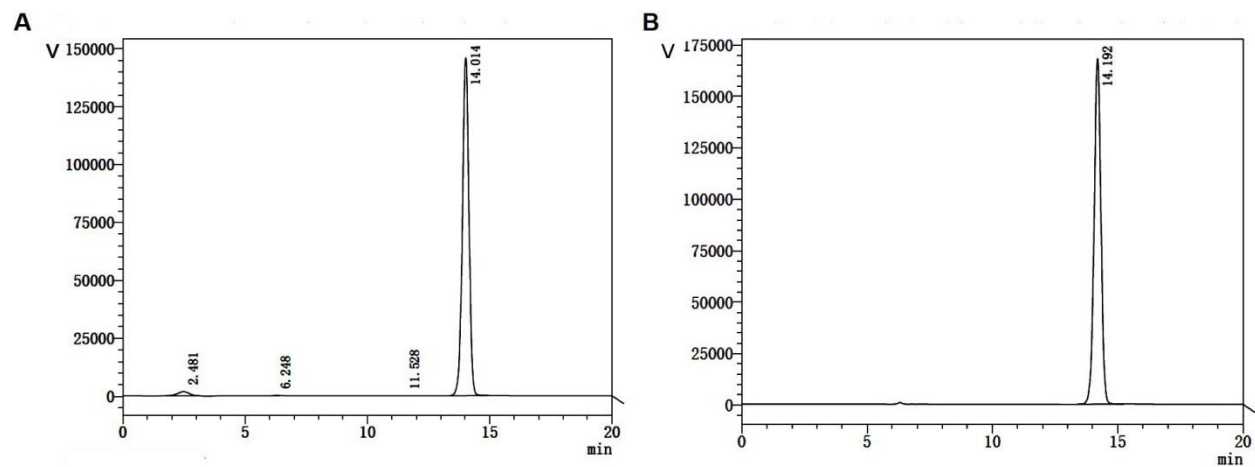
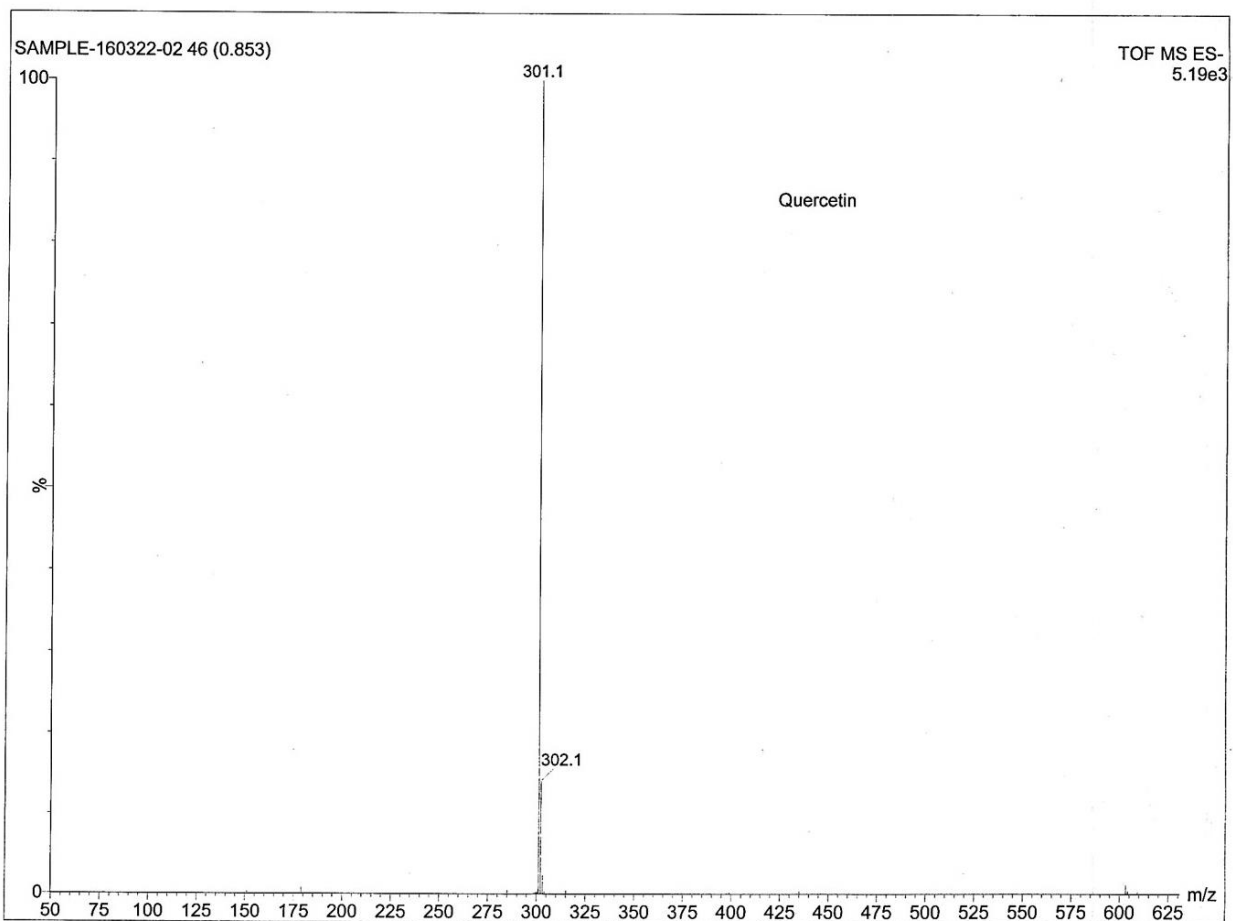


# Quercetin ameliorates A $\beta$ toxicity in *Drosophila* AD model by modulating cell cycle-related protein expression

## Supplementary Material



**Figure. S1: HPLC chromatogram of quercetin.** A: samples extracted from flowers of *Styphnolobium japonicum*. B: standard quercetin.



**Figure S2: TOF MS analysis of quercetin used in this study.**

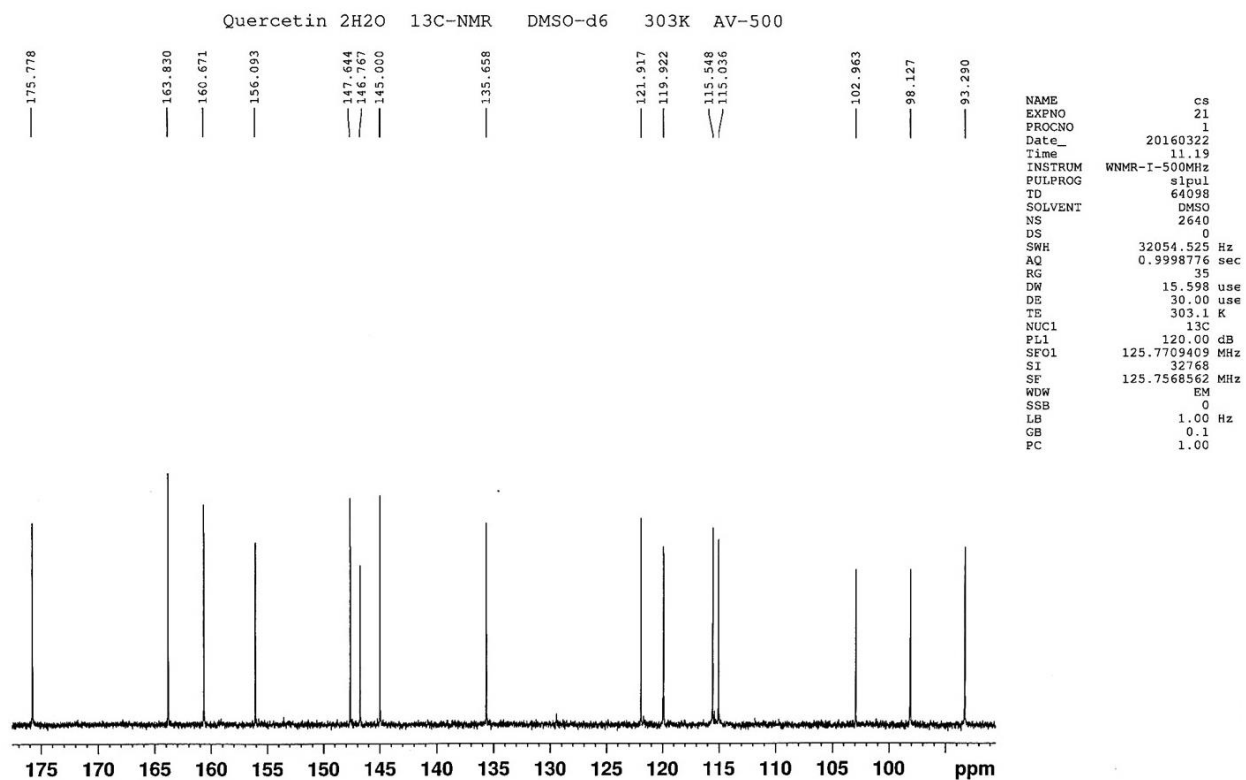
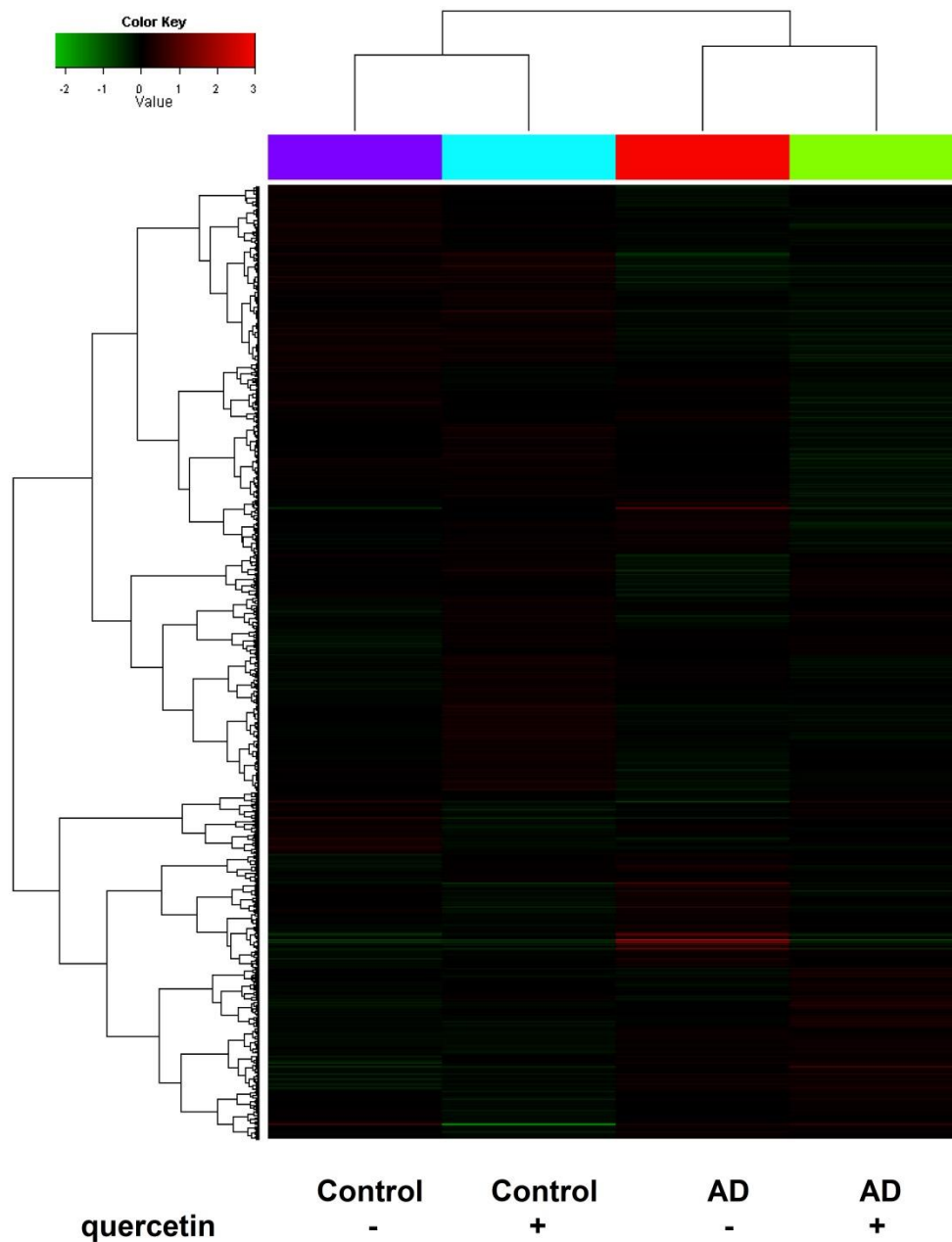


Figure S3:  $^{13}\text{C}$ -NMR analysis of quercetin used in this study.



**Figure S4: Heatmaps of gene expression following quercetin or DMSO treatment in WT and AD flies at Day 10.** Transcriptomic analysis was performed by Affymetrix *Drosophila* Genome 2.0 Array and further analyzed by Cluster 3.0 and Treeview.